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*Invitation to Attend*  
**FRIDAY, SEPTEMBER 29**

Elkins Community Building  
 162 Doolin Dr.  
 Elkins, AR

**BEAVER LAKE  
 WATERSHED  
 SYMPOSIUM**



*Focusing on Forest*  
**for Source Water Protection**

For more information, contact Beaver Watershed Alliance at  
[info@beaverwatershedalliance.org](mailto:info@beaverwatershedalliance.org) or call 479-750-8007.

## Beaver Watershed Alliance September e-News

### Beaver Lake Watershed Symposium Friday, September 29, 2017

The **Beaver Lake Watershed Symposium** is a program designed for anyone with an interest in learning more about the water quality of the Beaver Lake watershed, outreach programs that are taking place, best management practices that are being applied, and how to get involved and help make a difference in the protection of NWA's drinking water source.

The 2017 Symposium will "Focus on the Forest" and present topics supporting the connection between healthy managed forests and clean drinking water.

Rapid growth and development is forecasted for NWA, and the region continues to hit the hot lists of places to live due to the exceptional quality of life in our region. The resulting land use change from this growth is anticipated to decrease forested land cover by approximately ten-percent, which will greatly affect the quality of water in Beaver Lake and its tributaries. The pressure of growth and potential loss of approximately 85 square miles, creates a need to retain and best manage as much forested land as possible. The forested land in Beaver Lake is essential to providing and maintaining the high quality water source that provides water for a half-million people in three states and fuels our regional economy. For these reasons this year's symposium will "focus on the forest for source water protection" and we hope you will attend to learn more about this important issue with presentations on:

- Components of a Healthy Forest
- Urban Forest and Community Forest Management
- Forest Management in Devil's Eyebrow and Hobbs State Park
- Forested Land and Water Quality in the Beaver Lake Watershed
- Arkansas Forest and Drinking Water Collaborative
- Forest Management from a Landowner's Perspective

[View full Symposium Agenda](#)

The program will take place from 9:30 a.m. until 3:30 p.m. and will be held at the Elkins Community Center, 162 Doolin Dr., Elkins, AR. There is no cost to attend, but please RSVP to participate. Call 479-750-8007 or email [info@beaverwatershedalliance.org](mailto:info@beaverwatershedalliance.org) to RSVP. Lunch is provided. The program is organized by the Beaver Watershed Alliance and the Arkansas Water Resource Center.

## Upcoming Events

**September 9**  
[Lee Creek Cleanup](#)  
 Devil's Den State Park  
 11333 W. Hwy 74  
 West Fork, AR  
 8 am - 12 noon

**September 10**  
[Native Plant Walk with WCRC, BWA and the Native Plant Society](#)  
 Brentwood Community Park  
 10 am - 12:30 pm

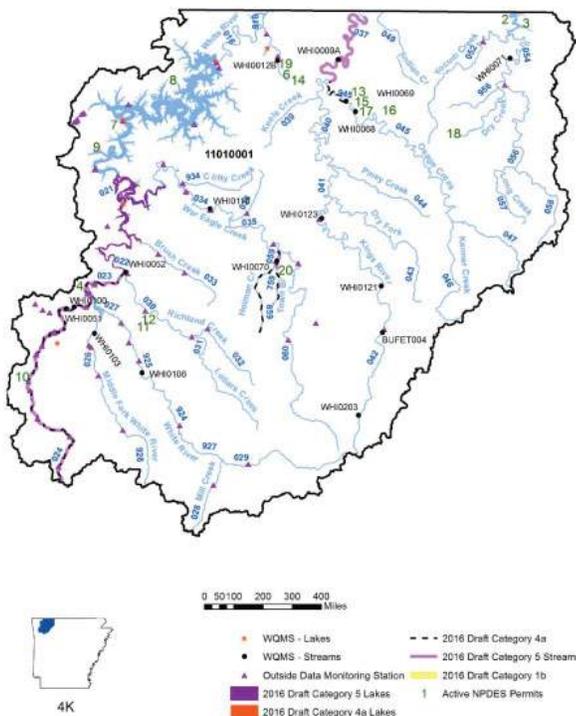
**September 12**  
[Rain Garden Stewardship](#)  
 St. Paul, AR  
 11:30 am - 1:30 pm

**September 17-21**  
[EPA Region 6 Stormwater Conference](#)  
 San Antonio, TX

**September 27-28**  
[ANRC Nonpoint Source Pollution Stakeholder & Project Review Meeting](#)  
 Little Rock, AR

**September 29**  
[Beaver Lake Symposium](#)  
 Elkins, AR  
 9:30 am to 3:30 pm

Figure A-40: Planning Segment 4K



A-264

## Beaver Lake on the Impaired Waterbodies List

The upper portion of Beaver Lake near Hwy 412 has been listed as impaired for primary contact and fishery for exceedance of the pathogens and turbidity standard set forth by the ADEQ. The cause of the turbidity exceedance is listed as surface erosion of soil from the watershed, and the source of the pathogen exceedance was listed as unknown. Common sources of pathogens include: wildlife, septic systems, domestic pets and livestock, sewage overflows, and recreation.

The Impaired Waterbodies List, commonly called the 303(d) List, is a list of waters not meeting water quality standards and/or designated uses in accordance with the federal Clean Water Act (CWA) Section 303(d). The 303(d) list of impaired waterbodies is developed by ADEQ (Arkansas Department of Environmental Quality) every two years under provisions of Section 303(d) of the Federal Clean Water Act. ADEQ assesses water quality monitoring data from numerous locations around the state and utilizes a comprehensive assessment methodology to determine which waters are not meeting their designated uses or water quality standards as listed in the Arkansas Water Quality Standards (Regulation 2 of the Arkansas Pollution Control and Ecology Commission). The draft 2016 303(d) list of impaired waterways has been accepted by the US EPA. The last accepted list was in 2008.

### SEGMENT 4K UPPER WHITE RIVER AND KINGS RIVER

Segment 4K includes portions of Washington, Benton, Madison, Carroll, Boone, Newton, and Franklin Counties in northwest Arkansas. This segment encompasses the Beaver Lake Watershed and the adjacent Kings River Watershed.

### Summary of Water Quality Conditions

Waters in this segment are designated for propagation of fish and wildlife; primary and secondary contact recreation; and domestic, agricultural, and industrial water supplies. Approximately 20 percent of these waters are designated as outstanding state or national resource waters. Waters in this segment, including Beaver Lake, are also highly prized for canoeing and fishing. Primary contact recreation is also prevalent.

In addition to Beaver Lake, the West Fork White River, Lower White River, Holman Creek and Town Branch Creeks (tributaries to the War Eagle Creek) were listed as impaired for turbidity from surface erosion and municipal and industrial point sources for nitrates.

When waterways make the impaired list, it is hard to get them removed. Typically, regulations tighten on how much of a pollutant can be in a stream or lake over a period of time. This occurs through the process of a Total Maximum Daily Load (TMDL) development and implementation by the ADEQ.

The good news is that our collective actions can have a BIG impact! Also, not all listed impairments are a true impairment and the listed waterbody may come off of the list on their own due to changing conditions in the watershed, limitations in data collection or analysis, or changes in existing water quality standards. Let's not take any chances though, and please check in with us to find out what best management practices you can use where you live or work to help improve our water quality!

## How Can You Help Improve and Protect Waterways?

**Sediment is the number one pollutant** to Beaver Lake, and degrades the quality of water for drinking, wildlife and the land surrounding streams. Excess sediment can increase the cost of treating drinking water, can result in odor and taste problems, and the nutrients

**September 30**  
**Annual Beaver Lake Cleanup**  
Beaver Lake, Arkansas  
8:30 am - 12:30 pm

### SAVE THE DATE!

**October 7**  
**Fall Rain Garden Academy**

Hobbs State Park  
Rogers, AR  
9 am - 12 pm

**October 14**  
**Kessler Trail Run**  
Mt Kessler, Fayetteville  
9 am - 11 am

**October 14**  
**Lake Sequoyah Cleanup**  
Fayetteville, AR  
9 am - 12 pm

**October 17**  
**Farm Field Day**  
12491 Hazel Valley Rd.  
Fayetteville, AR  
10 am - 1 pm

### Water for Life!

The value of your interest and involvement in the voluntary watershed protection effort for our regional water supply is priceless and appreciated!

Read, like, and share this newsletter to help spread the good water quality word and to help get your friends and family involved.

Together, we can make a difference!

### Events Calendar



**Thanks to Pack Rat Outdoor Center and Patagonia** for the opportunity to engage and educate families about the Beaver Lake Watershed and its main tributary, the

transported by sediment can activate blue-green algae which can cause harmful algal blooms. Sediment can alter the flow of water along stream beds, disrupt the natural food chain by degrading the habitat where the smallest stream organisms live, and cause declines in aquatic wildlife populations. Sediment and pathogens are considered nonpoint source pollutants, meaning there is no one place they originate, and that they can come from a lot of sources. We need your help to make these reductions. In many instances landowners need assistance with improving the ecological function of their property to protect water quality and, we can use your helping hands!

If you are a homeowner or land manager, we have programs and funding available to establish best management practices on our property that can prevent erosion, improve wildlife habitat, and increase land value and ecological function. If you live along a waterway, protecting and enhancing the riparian zone is the most effective action you can take, and it will also help prevent land-loss. If you have forested or pasture land, we can help connect you to programs that help you manage and improve your property. It's all connected, healthy land = healthy water!



## Rain Garden Academy

Saturday, October 7, 2017 • 9 am to 12 pm

Registration begins at 8:30 am  
Hobbs State Park Visitor's Center  
20201 AR-12, Rogers, AR 72756

### Learn How to Build a Rain Garden!

Rain gardens capture rainfall and allow it to slow, spread and soak in, as nature intended!

- Attendees Receive:
- Free education from local experts
  - DIY tips for creating cost-effective rain gardens
  - Opportunity to apply for rain garden mini-grant
  - Free Lunch

RSVP for this FREE Workshop at 479-750-8007 or email [info@beaverwatershedalliance.org](mailto:info@beaverwatershedalliance.org)



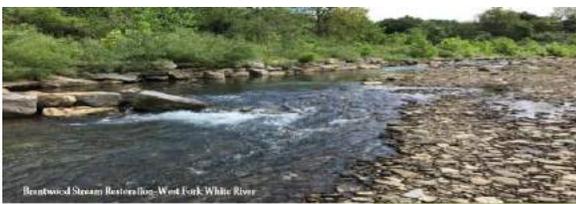
White River! Special thanks to Arkansas Outdoor Outfitters, Arkansas Canoe Club, Arkansas Dept. of Tourism and all of the great volunteers that helped cleanup along the White River!



Thanks to the Student Conservation Association, City of Fayetteville Parks & Rec and Fayetteville Public Schools for helping remove over 5,900 SF of invasive species along Spout Spring Branch at Walker Park!



Neta Winston (from left), Carol Gulley, Jan Judy and Danny Smith work together Friday, Aug. 4, 2017, to plant a willow oak tree near Elkins High School. The group are members of the Washington County Master Gardeners and were working with the Beaver Watershed Alliance to plant trees on school district property as a part of a Tree City U.S.A. project. (Photo Credit: NWA Democrat-Gazette/Andy Shupe)



### Native Plant Walk

**Sunday | Sept. 10, 2017**  
10 am to 12:30 pm

**Brentwood Stream Restoration Site on the West Fork White River**

**Meet at the Brentwood Community Park on US Highway 71 (20 miles South of Fayetteville, AR)**

The Watershed Conservation Resource Center (WCRC) in partnership with Beaver Watershed Alliance will host the Arkansas Native Plant Society, for a native plant identification walk. The plant walk will take place along the Brentwood Stream Restoration site on the West Fork White River. We will meet at the Brentwood Community Park on US Highway 71 (20 miles south of Fayetteville) at 10:00 AM on Sunday, September 10th. (Or if you would like a ride from Fayetteville to the site, meet at the WCRC offices, 380 W. Rock Street, Fayetteville, at 9:20 AM) Drinks/water provided. Wear sturdy shoes and bring a sack lunch.

For those interested, following the plant walk, there will be a tour of the stream and wetland restoration constructed in 2009. Bring waterproof boots or waders if you have them.





### Please Register for this Event

Contact Lori Linn with Watershed Conservation Resource Center:

[llinn@watershedconservation.org](mailto:llinn@watershedconservation.org)  
479-444-1916

Meet at the Brentwood Community Park on US Highway 71 (20 miles South of Fayetteville, AR)

For more information or directions call Aaron at (707) 548-1481



Watershed Conservation Resource Center  
380 W. Rock St., Fayetteville, AR 72701



**12<sup>th</sup> Annual Secchi Day** on Beaver Lake, held on Saturday, August 19, 2017 was another great success!

Over 731 adults and youth attended the half-day Science Education Festival and participated in fun, educational exhibits with local organizations. Thirty-five volunteer teams ventured out onto Beaver Lake to gather Secchi Disc readings for the volunteer Secchi event. Thanks to Beaver Water District for hosting this annual festival and the opportunity to work with all of the organizations, volunteers and visitors!



## About Beaver Watershed Alliance

BWA was formed in 2011 to proactively protect, maintain, and enhance the water quality of Beaver Lake and the integrity of its watershed through outreach and education, voluntary best management practice implementation, and scientific investigation. BWA represents a diverse stakeholder group from

conservation, education, water utilities, technical and science, agriculture, recreation, business, and local government groups working together for the goal of clean water.

Your financial contribution will help BWA fulfill our mission to proactively protect, maintain, and enhance the water quality of Beaver Lake and the integrity of its watershed through outreach and education, voluntary best management practice implementation, and scientific investigation.

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## Great Partners = Clean Water



### Beaver Watershed Alliance

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 Phone: 479-750-8007



[Click Here To Contact Us](#)

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